

===== WPI =====

TI - Mounting structure for micro sensor module includes wirings that enable the transmission of the detecting signal from a detecting element to a ceramic substrate

AB - JP2001183389 NOVELTY - The wirings enable the transmission of the detecting signal from a detecting element (12) to a ceramic substrate (15). One wiring (4) is provided to an acceleration sensor (1) and the other wiring (10) is provided to a lower stopper glass (9). An acceleration sensor section (30), consists of the acceleration sensor, upper stopper glass (14), and lower stopper glass, is mounted on the ceramic substrate.

- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a micro sensor module mounting method.

- USE - For micro sensor module.

- ADVANTAGE - Reduces structure cost since size can be reduced. Reduces damage since pressure application at the time of anode joining of an acceleration sensor and a glass substrate is reduced. Simplifies mounting process of the micro sensor module.

- DESCRIPTION OF DRAWING(S) - The figure shows the sectional view of the mounting structure of the micro sensor module.

- Acceleration sensor 1

- Wiring 4,10

- Lower stopper glass 9

- Detecting element 12

- Upper stopper glass 14

- Ceramic substrate 15

- Acceleration sensor section 30

- (Dwg.1/7)

PN - JP2001183389 A 20010706 DW200230 G01P15/12 008pp

PR - JP19990365565 19991222

PA - (MATW) MATSUSHITA ELECTRIC WORKS LTD

MC - S02-G03 V06-L03

DC - S02 V06

IC - G01L9/04 ;G01P15/12 ;H01L21/60

AN - 2002-245544 [30]

===== PAJ =====

TI - STRUCTURE AND METHOD FOR MOUNTING MICRO SENSOR MODULE

AB - PROBLEM TO BE SOLVED: To provide a structure and a method for mounting a micro sensor module whereby the module can be made compact and reduced in cost.

- SOLUTION: A lower face of an acceleration sensor 1 including a deflection part 3 with a detecting element 12 set to an upper face is anodically joined to a lower stopper glass 9. Further, an upper stopper glass 14 is set to an upper face of the acceleration sensor 1. An acceleration sensor part 30 comprised of the acceleration sensor 1, the upper stopper glass 14 and the lower stopper glass 9 is mounted on a ceramic substrate 15. A detect signal from the detecting element 12 is transmitted to the ceramic substrate 15 via a through wiring 4 set to the acceleration sensor 1 and a through wiring 10 set to the lower stopper glass 9.

PN - JP2001183389 A 20010706

PD - 2001-07-06

ABD - 20010511

ABV - 200024

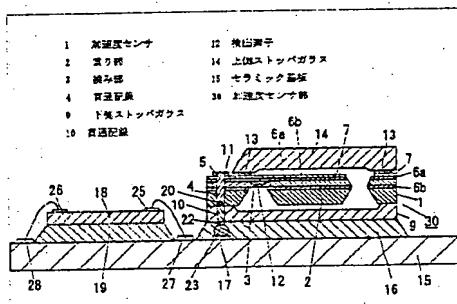
AP - JP19990365565 19991222

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I - G01P15/12 ;G01L9/04 ;H01L21/60

6-5-97



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